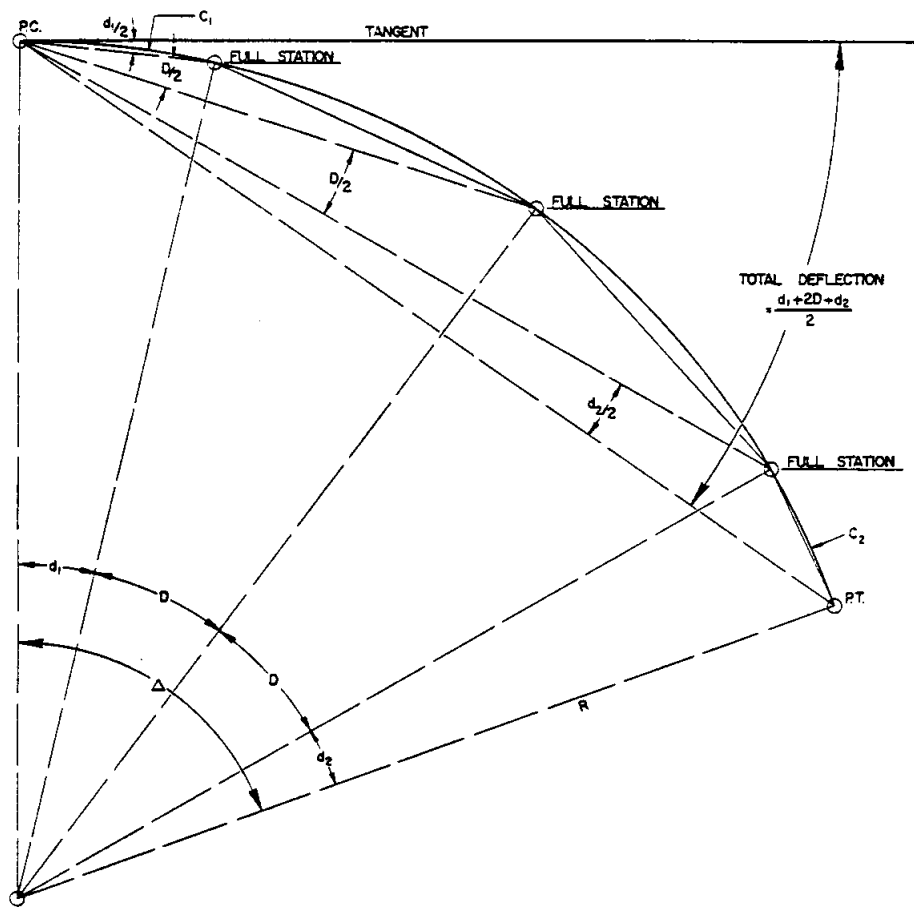


1304 CURVE COMPUTATION BY DEFLECTION ANGLE

D = CENTRAL ANGLE FOR A FULL STATION OF ARC LENGTH
 C_1 = LENGTH OF ARC FROM P.C. TO THE FIRST FULL STATION
 C_2 = LENGTH OF ARC FROM THE LAST FULL STATION TO P.T.

1. FROM THE GENERAL FORMULAS IN FIGURE 12-100.1, COMPUTE 'D' AND STATIONS P.C. AND P.T.
2. SOLVING FOR THE DEFLECTION ANGLES, IN MINUTES, HAVING LENGTHS OF THE ARC LESS THAN A FULL STATION,
 $d_1 / 2 = 0.30 C_1 D$
 $d_2 / 2 = 0.30 C_2 D$
3. THE DEFLECTION ANGLE IN DEGREES, FOR A FULL STATION ARC LENGTH EQUALS $D / 2$.
4. THE DEFLECTION ANGLE, IN MINUTES, FOR ANY ARC LENGTH,
 $\text{DEFLECTION} = (1718.873 / R) \times \text{ARC LENGTH}$
5. A RUNNING TOTAL OF STATION TO STATION DEFLECTIONS GIVES THE TOTAL DEFLECTION ANGLE FROM THE P.C.

COMPUTE CHECK: THE TOTAL DEFLECTION ANGLE TO THE P.T.
 MUST EQUAL $\Delta / 2$